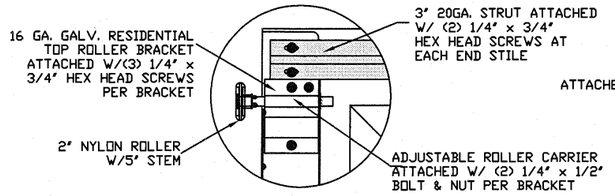
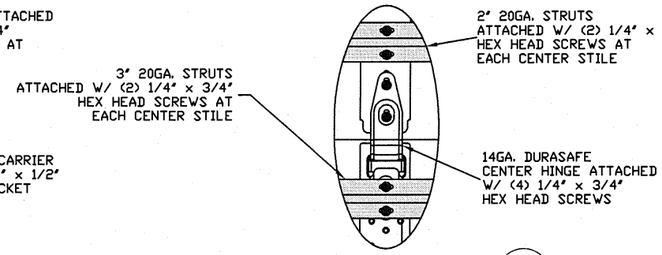
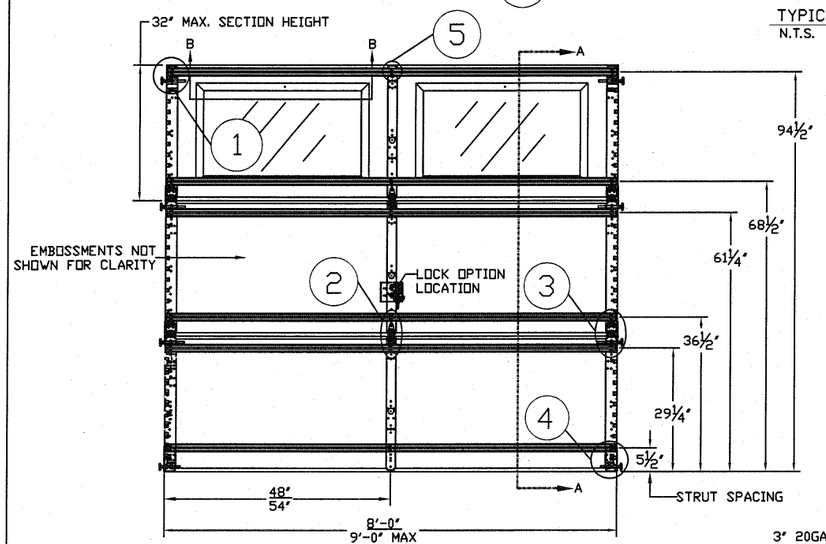


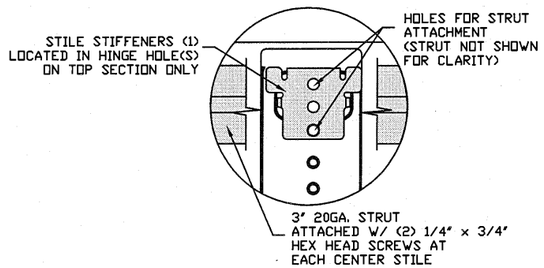
TYPICAL TOP FIXTURES (1)
N.T.S.



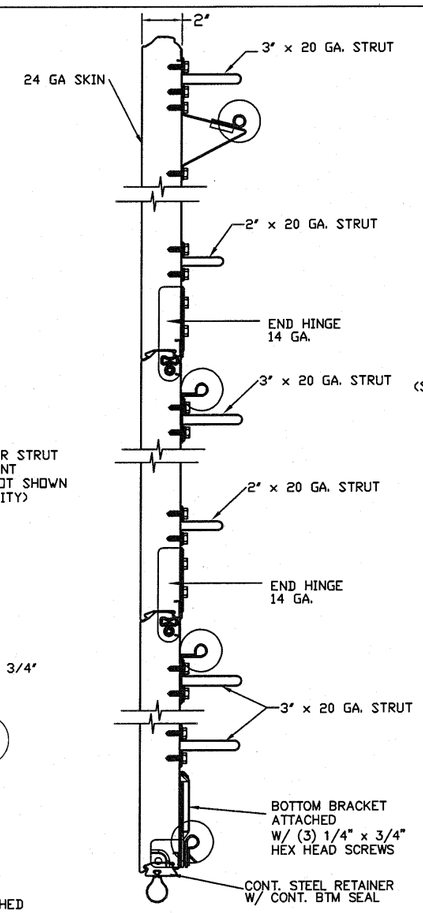
TYPICAL DURASAFE CENTER HINGE (2)
N.T.S.



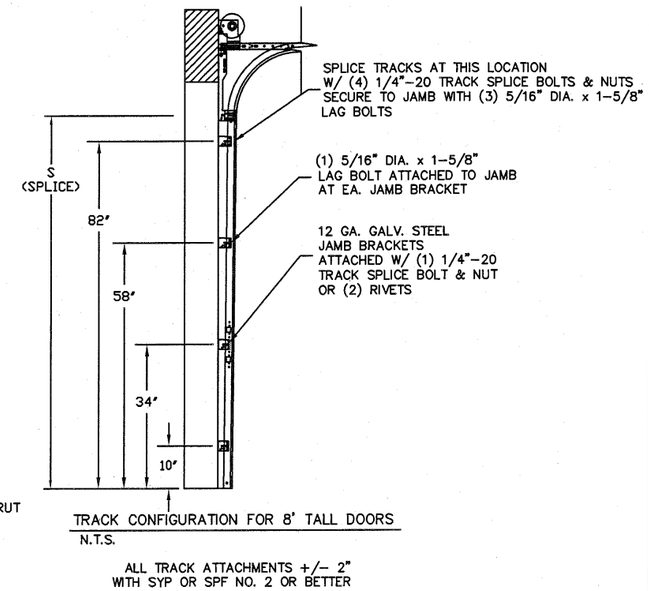
INSIDE ELEVATION
N.T.S.



TYPICAL STILE STIFFENER (5)
N.T.S.

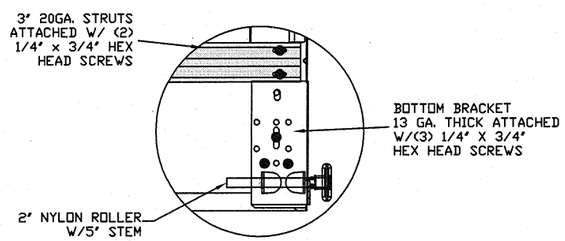


SECTION A–A (SIDE VIEW)
N.T.S.

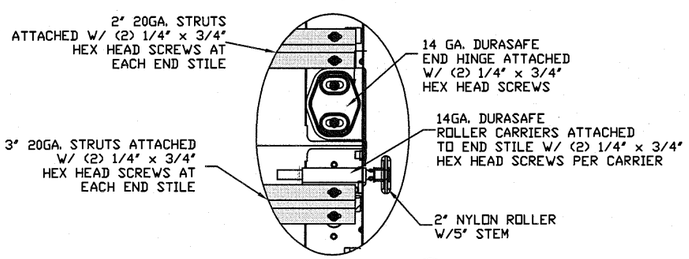


TRACK CONFIGURATION FOR 8' TALL DOORS
N.T.S.

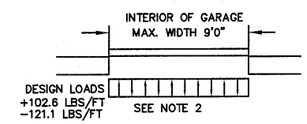
ALL TRACK ATTACHMENTS +/– 2" WITH SYP OR SPF NO. 2 OR BETTER

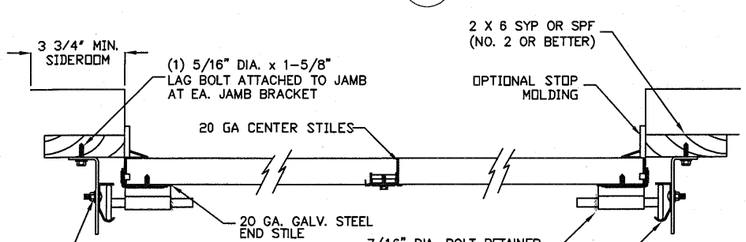


TYPICAL BOTTOM BRACKET (4)
N.T.S.



DURASAFE END HINGE (3)
N.T.S.





TRACK MOUNTING DETAIL
N.T.S.

THE METHOD OF TESTING WAS IN SUBSTANTIAL CONFORMANCE WITH THE PROCEDURE DESCRIBED IN ASTM E330 AND DASMA 108. THE PRESSURES SHOWN ON THE DRAWINGS WERE CALCULATED USING ASCE 7-98/02/05 WITH THE FOLLOWING PARAMETERS (5 FEET OF DOOR WIDTH IN THE END ZONE, ROOF AT ANY SLOPE, AND I=1.0):

WIND SPEED (MPH)	121	109	104	99	95
EXPOSURE LEVEL	B	C	C	D	D
MEAN ROOF HEIGHT	30'	15'	25'	15'	25'

SPECIFICATIONS AND NOTES

1. ALL THE LOAD FROM THE DOOR IS TRANSFERRED TO THE VERTICAL TRACK, FROM THE TRACK THE LOAD IS TRANSFERRED TO THE VERTICAL JAMBS. THE HORIZONTAL JAMB OR HEADER RECEIVES NO PORTION OF THE LOAD TRANSFERRED FROM THE DOOR.
2. EACH VERTICAL JAMBS RECEIVES MAXIMUM DESIGN LOADS OF: +102.6 LBS/FT & –121.1 LBS/FT
3. DOORS AND HARDWARE WILL BE DESIGNED, MANUFACTURED AND INSTALLED WITH STANDARDS AS SET FORTH BY DASMA.
4. DOOR SECTIONS SHALL BE 24 GA. MIN. (.022") ROLLED FORMED LIGHT COMMERCIAL QUALITY.
5. SUPPORTING STRUCTURAL ELEMENTS SHALL BE DESIGNED BY A REGISTRED PROFESSIONAL ENGINEER FOR WIND LOADS INDICATED ON THIS DRAWING IN ADDITION TO OTHER LOADINGS.

REV	DESCRIPTION OF REVISIONS	DATE	BY

MAX SIZE
9' x 14'

DESIGN LOADS
+22.8 PSF
–26.9 PSF

TEST LOADS
(1.5 x DESIGN LOADS)
+34.2 PSF
–40.4 PSF

Thomas L. Shelmerdine, PE (TX PE #85829)
Structural Solutions, PA (TX Firm #F-004063)

STATE OF TEXAS
THOMAS L. SHELMERDINE
85829
LICENSED
PROFESSIONAL ENGINEER
TX

5921-G W. Friendly Ave., Greensboro, NC 27410

Amarr
165 CARRIAGE COURT WINSTON-SALEM, N.C. 27105

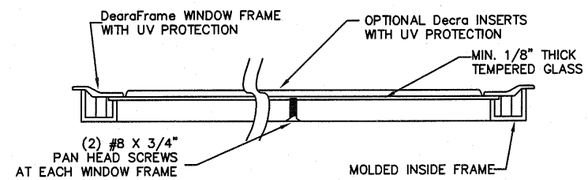
MODEL #500
CLASSICA 1000, 2000

SIZE	DRAWN BY	RLR	DATE	11/25/13	DRAWING NUMBER
B	CHECKED BY		DATE		IRC-5309-120-15
					SHEET 1 OF 2

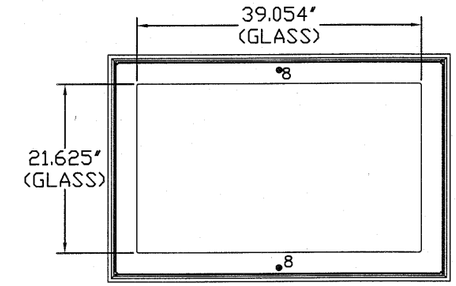
Section	Center Stile Location (Measured from Left		Max Design Loads Allowed	
Width (ft)	1st (in)	2st (in)	Positive (PSF)	Negitive (PSF)
6' 0	24.644	47.3565	34.0	40.1
7' 0	29.144	54.857	29.2	34.4
7' 2	29.894	56.107	28.5	33.6
7' 4	30.644	57.357	27.8	32.8
7' 6	45.000		27.2	32.1
7' 8	46.000		26.6	31.4
7' 10	47.000		26.1	30.8
8' 0	48.000		25.5	30.1
8' 2	49.000		25.0	29.5
8' 4	50.000		24.5	28.9
8' 6	51.000		24.0	28.3
8' 8	52.000		23.6	27.8
8' 10	53.000		23.1	27.3
9' 0	54.000		22.8	26.9

GLAZING OPTION CROSS SECTION

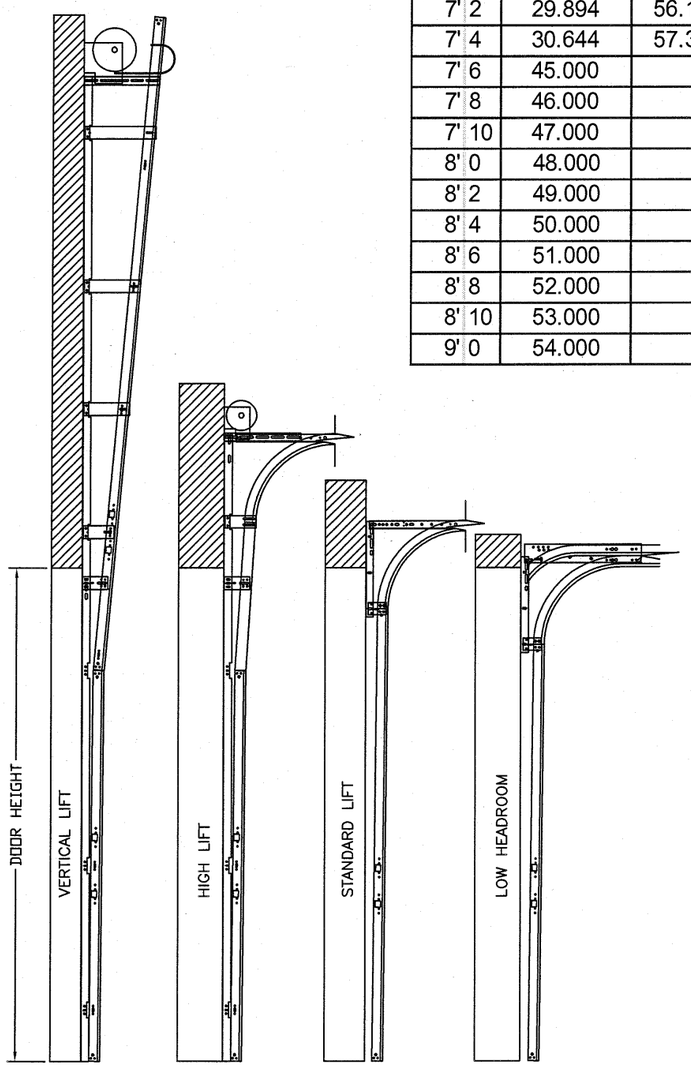
GLAZING NOT AVAILABLE IN WIND-BORNE DEBRIS REGION
GLAZING MEETS ASTM E 1300-04



SECTION B–B



GLAZING FASTENER DETAIL
N.T.S.



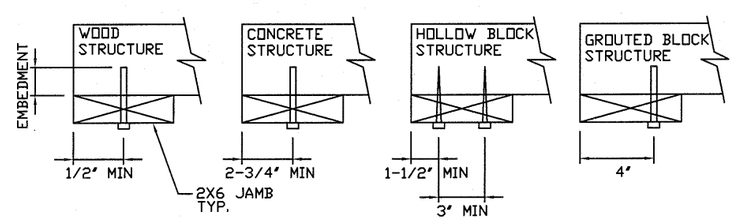
AVAILABLE TRACK CONFIGURATIONS
N.T.S.

WOOD JAMB ATTACHMENT TO STRUCTURE

2 X 6 VERTICAL JAMB ATTACHMENT TO WOOD FRAME STRUCTURE
5/16" X 3" LAG SCREWS STARTING 6" FROM ENDS THEN 24" O.C. (1 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO 2,000 PSI CONCRETE
HILTI KWIK BOLT 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT)
ITW/RAMSET REDHEAD (TRU-BOLT) 3/8" X 4" STARTING 6" FROM ENDS THEN 24" O.C. (2 1/2" EMBEDMENT)
2 X 6 VERTICAL JAMB ATTACHMENT TO HOLLOW C-90 BLOCK
SIMPSON 1/4" X 3" TITEN SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/2" EMBEDMENT)
HILTI 1/4" X 2-3/4" KWIK-CON II+ SCREWS STARTING 6" FROM ENDS, USE PAIRS OF FASTENERS (3" APART) AT 24" O.C. (1 1/4" EMBEDMENT)

2 X 6 VERTICAL JAMB ATTACHMENT TO GROUTED C-90 BLOCK (2000 PSI GROUT)
HILTI SLEEVE ANCHOR 3/8" X 2-3/4" STARTING 6" FROM ENDS THEN 24" O.C. (1 1/4" EMBEDMENT) (OR, USE FASTENERS FOR HOLLOW C-90 BLOCK)

*LAGS AND BOLTS CAN BE COUNTERSUNK TO PROVIDE A FLUSH MOUNTING SURFACE.
*PREPARATION OF WOOD JAMBS BY OTHERS



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SIZE	DRAWN BY RLR	DATE 11/25/13	DRAWING NUMBER
B	CHECKED BY	DATE	IRC-5309-120-15
			SHEET 2 OF 2